

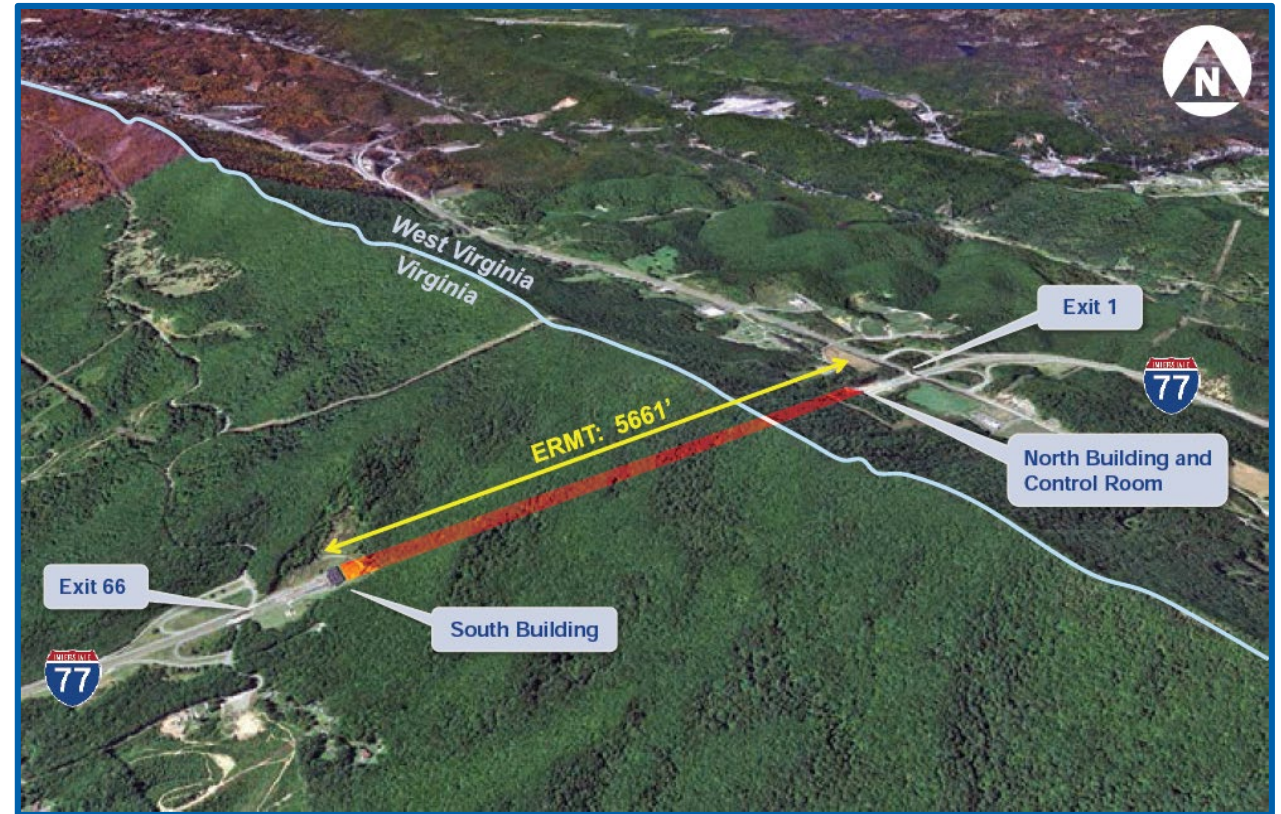
SPECIAL STRUCTURES EAST RIVER MOUNTAIN TUNNEL AGREEMENT

| Kevin Gregg, Chief of Maintenance and Operations

January 17, 2023

East River Mountain Tunnel - Background

- **Built in 1974**
 - Connects Interstate 77 in Virginia and West Virginia
 - Existing Two-State Agreement (1964)
 - Shared responsibility for maintenance costs based on length of tunnel in each state
 - Parties must agree on major repair projects prior to undertaking
- **Special Structure**



East River Mountain Tunnel – Major Repairs

- **Statewide Special Structures Long-Term Plan (50 years)**
 - **Fire & Life Safety Improvements**
 - Supervisory Control and Data Acquisition (SCADA) System
 - Standpipes and Fixed Fire Suppression
 - Ventilation Improvements
 - **Major Life Cycle Replacement and Repairs**
 - Complete Lighting Replacement
 - Switchgear and Power Distribution Replacement
 - Major Fan Rehabilitation/Repair/Replacement

EAST RIVER MOUNTAIN TUNNEL SPECIAL STRUCTURE 50-YEAR PLAN INITIAL PROJECTS	ESTIMATED COST (IN MILLIONS)
Standpipe and Fixed Fire Suppression	25.44
Switchgear and Power Distribution Replacement	22.12
Major Fan Rehabilitation/Repair/Replacement	11.59
Emergency Ventilation Improvements Phase 1-Saccardo Nozzle Project Addition	11.36
Traffic Control System	5.00
Structural Repairs (Buildings, Concrete and Steel Components)	4.97
Supervisory Control and Data Acquisition System Control	3.82
Movable Exhaust Canopies	1.15
NE Quadrant Lighting Repair	3.63
Building Information Model	0.32
Fan Monorail Beams	0.32

East River Mountain Tunnel - Agreement

- **Major Repair Agreements**

- **Need**

- The CTB approved the Statewide Special Structures Long-Term Plan (50 years) for the maintenance, rehabilitation, and replacement of Special Structures, including ERMT

- **Authority**

- Va. Code § 33.2-221(B) authorizes the CTB to enter into agreements with other states
- Prior to undertaking any Special Structures Project on ERMT, an agreement between VDOT and WVDOH will be required.



East River Mountain Tunnel – Next Steps

- **VDOT will seek:**
 - **CTB approval of template agreement to be used for each project approved and funded by CTB under Special Structures Program**
 - **CTB Delegation of authority for Commissioner to sign specific project agreements based on template**



QUESTIONS